

ABSTRACT OF THE DISCLOSURE

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A drilling machine and drilling rig for exploratory drillings and producing wells, include a base mounting atop drive, and a multifunctional gripper for gripping drilling pipe from a stock and to be raised on the base for eventual positions positioning at a well center, an elevator being provided below the top drive. The base can be rotatably mounted and have a live ring at a base lower end region, the base being rotated to the pipe stock location and being rotatable to a well center as well. A drilling pipe upper end when raised on the base can be connected to the top drive, and an iron roughneck on a rig floor can be used to connect a pipe lower end to a pipe section in the well. Where two drilling machine are used, one can be used for actual drilling at the well center, and the second supplied with pipework for the operation.